



# Crop Weather Report

**Issue: 07-20**  
Issued: Weekly: Apr-Oct  
Monthly: Nov-Mar

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**Released: July 23, 2007**  
For the Week Ending:  
July 22, 2007

## Weather Summary

Montana experienced hot temperatures again last week with scattered showers. There were only small amounts of accumulated precipitation. Forest fires are a major concern in several areas. Fort Benton and Glendive experienced temperatures up to 105 degrees with the highs for every other weather station in the 90s to 100s. West Yellowstone had the low temperature of 37 degrees. Dillon received the most moisture for the week at 1.34 inches. Both topsoil and subsoil moisture conditions have declined from last week. Topsoil moisture adequate and surplus is 23 percent which is above last year's 15 percent but below the five-year average of 29 percent. Subsoil moisture adequate and surplus, at 39 percent, is above both last year and the five-year average of 21 and 31 percent, respectively. The number of days suitable for fieldwork was up from 6.6 days the previous week to 6.9 suitable days.

The weather outlook for July 30<sup>th</sup> through August 5<sup>th</sup> is for above normal temperatures and below normal precipitation east of the continental divide and for above normal temperatures and near normal precipitation west of the divide. Normal temperatures for this period in the state are highs in the upper 70s to the upper 80s and lows in the lower 40s to the lower 60s.

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Winter Wheat</b>				
Very Poor	2	2	2	3
Poor	4	7	7	10
Fair	27	22	33	31
Good	49	43	41	41
Excellent	18	26	17	15
<b>Barley</b>				
Very Poor	15	15	4	4
Poor	15	11	16	12
Fair	24	15	30	31
Good	38	48	42	42
Excellent	8	11	8	11
<b>Oats</b>				
Very Poor	2	1	12	6
Poor	7	4	15	11
Fair	23	17	28	28
Good	59	64	39	46
Excellent	9	14	6	9
<b>Spring Wheat</b>				
Very Poor	8	9	12	6
Poor	9	9	17	13
Fair	21	17	40	32
Good	55	55	28	43
Excellent	7	10	3	6
<b>Durum Wheat</b>				
Very Poor	3	3	20	8
Poor	15	4	29	18
Fair	24	22	28	27
Good	47	56	23	40
Excellent	11	15	0	7

Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	29	19	44	30
Short	48	42	41	41
Adequate	21	37	14	28
Surplus	2	2	1	1
<b>Subsoil Moisture</b>				
Very Short	19	14	36	31
Short	42	32	43	38
Adequate	37	51	21	30
Surplus	2	3	0	1
<b>Days Suitable for Fieldwork</b>				
Days	6.9	6.6	7.0	6.8

## Field Crops Report

Winter wheat harvest is underway with 19 percent complete. Harvest of barley, oats, dry peas, and lentils has also begun. Conditions of the small grains have declined due to continued heat stress. Reports indicate producers are unsure how much hay will be available for a second cutting.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Boot Stage</b>				
Durum Wheat	100	94	100	92
<b>Headed</b>				
Barley	97	88	85	90
Spring Wheat	96	79	97	92
Oats	97	91	93	88
Durum Wheat	88	68	93	76
<b>Turning</b>				
Winter Wheat	97	94	100	92
Barley	66	28	50	41
Oats	63	29	61	41
Spring Wheat	50	20	66	39
Durum Wheat	45	19	72	32
<b>Harvested</b>				
Winter Wheat	19	3	43	13
Barley	2	n/a	2	1
Oats	4	n/a	0	1
Dry Peas	7	n/a	n/a	n/a
Lentils	4	n/a	n/a	n/a
<b>Hay First Cutting</b>				
Alfalfa	98	94	98	94
All Other	91	84	94	84
<b>Hay, Second Cutting</b>				
Alfalfa	8	1	n/a	n/a
All Other	2	n/a	n/a	n/a

## Livestock Report

Range and pasture feed conditions have declined from the previous week, but are still looking better than last year. Summer pastures are already turning brown fast.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Range and Pasture Feed Condition</b>				
Very Poor	10	6	8	12
Poor	9	7	20	20
Fair	25	25	38	33
Good	46	47	29	29
Excellent	10	15	5	6

## Weather Information for the Week ending 07/22/2007

Station ID						Precipitation							
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
NORTHWEST													
Alberton	99	56	76	187	+66	0.18	+0.02	4.14	-1.04	80	14.75	+3.86	135
Anaconda	93	52	72	158	+74	0.94	+0.71	8.21	+1.34	120	14.33	+3.17	128
Clinton	98	51	74	171	+50	0.18	+0.02	6.70	+1.52	129	15.42	+4.53	142
Corvallis	99	55	76	183	+67	0.28	+0.13	3.87	-1.03	79	6.71	-3.92	63
Creston	94	53	74	167	+68	0.31	-0.04	5.53	-2.37	70	10.18	-5.97	63
Deer Lodge	96	49	72	157	+73	0.03	-0.21	6.15	+0.96	118	9.41	+1.35	117
Drummond	99	49	74	170	+65	0.18	-0.03	6.12	+0.46	108	9.86	-0.66	94
Hamilton	98	59	79	203	+87	0.11	-0.04	4.15	-0.75	85	8.13	-2.50	76
Kalispell	97	50	74	169	+71	0.16	-0.05	4.58	-1.44	76	10.48	-3.09	77
Missoula	103	57	80	213	+92	0.04	-0.12	3.90	-1.28	75	9.40	-1.49	86
Olney	96	42	70	143	+53	0.29	+0.01	3.52	-3.94	47	15.22	-4.59	77
Polson	95	56	74	171	+46	0.57	+0.33	7.25	+0.47	107	12.10	-1.29	90
St Ignatius	96	59	76	185	+66	0.05	-0.19	6.06	-1.24	83	11.41	-2.13	84
Seeley Lake	98	53	76	181	+91	0.01	-0.20	4.34	-1.91	69	14.88	-3.66	80
Sula	97	47	72	157	+76	0.02	-0.20	7.56	+0.74	111	12.94	-0.17	99
Superior	99	39	76	184	+58	0.43	+0.29	5.12	-0.11	98	14.93	+1.13	108
Swan Lake	95	39	70	144	+60	0.41	+0.13	7.93	+0.01	100	23.68	-0.30	99
Thompson Falls	102	55	79	202	+69	0.16	-0.02	5.74	-0.51	92	23.27	+3.21	116
West Glacier	95	52	74	168	+70	0.23	-0.13	6.97	-1.95	78	23.82	-0.94	96
NORTH CENTRAL													
Chester	101	59	81	219	+96	0.03	-0.27	4.20	-1.61	72	7.94	-0.28	97
Chinook	99	58	80	211	+72	0.00	-0.35	7.95	+1.52	124	11.74	+2.57	128
Choteau	97	54	75	175	+49	0.15	-0.13	4.06	-1.86	69	5.77	-2.12	73
Cut Bank	99	58	78	197	+92	0.06	-0.19	0.94	-5.45	15	1.42	-7.30	16
Ft Assinniboine	103	62	81	222	+80	0.53	+0.23	7.54	+1.60	127	11.05	+2.09	123
Fort Benton	105	63	81	221	+82	0.00	-0.25	6.83	-0.36	95	11.16	-0.15	99
Goldbutte	97	47	76	182	+77	0.00	-0.26	6.07	-0.73	89	10.19	+0.64	107
Harlem	99	62	81	216	+79	0.00	-0.42	8.20	+2.11	135	11.21	+2.51	129
Havre	103	60	81	222	+82	0.64	+0.35	7.57	+2.17	140	10.96	+2.57	131
Malta	100	67	82	229	+96	0.01	-0.45	8.24	+1.14	116	11.02	+1.29	113
Rudyard	101	54	79	206	+59	0.00	-0.32	8.01	+0.78	111	11.32	+0.71	107
Shelby	97	56	77	188	+76	0.00	-0.28	3.66	-2.95	55	7.06	-1.92	79
Turner	96	59	79	203	+70	0.00	-0.46	6.74	-0.36	95	8.57	-1.16	88
Valier	97	58	78	195	+83	0.07	-0.21	3.76	-2.85	57	5.70	-3.28	63
NORTHEAST													
Bredette	102	60	79	206	+66	0.00	-0.40	10.01	+3.33	150	13.04	+4.07	145
Culbertson	102	62	80	211	+71	0.10	-0.30	8.80	+1.05	114	12.11	+1.63	116
Glasgow	99	67	82	227	+80	0.01	-0.35	10.63	+4.79	182	12.74	+4.58	156
Glendive	105	67	85	244	+73	0.77	+0.43	9.03	+1.54	121	12.34	+1.87	118
Jordan	101	63	82	225	+66	0.60	+0.22	10.83	+3.69	152	13.14	+3.01	130
Nashua	103	67	83	235	+88	0.08	-0.28	11.84	+6.00	203	14.36	+6.20	176
Opheim	98	58	77	193	+77	0.00	-0.48	8.52	+1.83	127	10.51	+1.79	121
Plentywood	100	61	79	204	+71	0.07	-0.35	11.72	+5.03	175	14.06	+5.02	156
St Marie	100	65	81	220	+73	0.00	-0.36	8.35	+2.51	143	9.87	+1.71	121
Scobey	102	60	79	208	+68	0.11	-0.29	9.98	+3.30	149	12.30	+3.33	137
Sidney	101	64	81	218	+71	0.00	-0.37	9.69	+2.40	133	12.32	+1.89	118
Wolf Point	102	65	82	222	+70	0.05	-0.37	10.17	+1.97	124	11.82	+0.19	102
CENTRAL													
Cascade	97	47	75	175	+88	0.80	+0.52	8.50	+0.80	110	12.55	+1.10	110
Grass Range	95	62	79	203	+70	0.08	-0.27	11.61	+2.52	128	17.54	+4.27	132
Great Falls	104	60	82	225	+92	0.00	-0.23	5.76	-1.46	80	10.35	-1.74	86
Harlowton	98	52	78	198	+78	0.07	-0.21	9.70	+2.42	133	14.39	+3.72	135
Helena	100	58	81	218	+78	0.31	+0.10	5.82	+0.38	107	8.93	+0.05	101
Lewistown	98	57	78	198	+86	0.61	+0.26	10.95	+2.04	123	16.22	+1.94	114
Martinsdale	96	49	74	170	+79	0.18	-0.17	6.81	+0.06	101	10.48	+0.40	104
Neihart	95	51	74	169	+84	1.24	+0.88	12.36	+2.44	125	21.76	+5.35	133
Rogers Pass	99	54	76	184	+65	0.40	+0.16	8.51	+1.75	126	13.16	+3.11	131
Roundup	102	61	83	235	+79	0.12	-0.16	10.20	+3.63	155	14.65	+5.05	153
Ryegate	97	60	79	201	+89	0.61	+0.28	9.17	+2.54	138	13.49	+3.72	138
Stanford	101	58	78	201	+93	0.02	-0.33	8.93	+0.10	101	13.63	+0.57	104
Townsend	99	56	77	189	+64	0.19	-0.09	4.83	-0.66	88	7.80	-0.55	93
Valentine	99	60	81	218	+78	0.00	-0.35	9.79	+1.97	125	14.23	+3.05	127
Wht Sulphur Spr	98	52	75	179	+102	0.15	-0.20	4.59	-2.76	62	7.48	-5.47	58
SOUTHWEST													
Boulder	95	53	76	186	+73	0.40	+0.12	6.11	+0.44	108	9.31	+0.53	106
Bozeman	98	52	77	187	+61	0.29	+0.01	11.81	+2.85	132	22.29	+6.84	144
Butte	95	50	73	162	+67	0.44	+0.17	6.55	+0.66	111	10.50	+1.27	114
Dillon	94	53	74	168	+51	1.34	+1.13	6.83	+1.34	124	10.28	+2.49	132
Ennis	97	45	72	156	+44	0.04	-0.24	6.99	+0.33	105	12.44	+2.25	122
Lakeview	93	50	72	155	+91	0.28	-0.07	3.58	-4.72	43	10.44	-5.96	64
W Yellowstone	93	37	66	116	+41	0.03	-0.32	3.49	-3.66	49	10.43	-7.91	57
Wisdom	94	39	67	121	+58	0.33	+0.12	5.93	+0.98	120	11.77	+3.03	135
SOUTH CENTRAL													
Billings	100	67	85	243	+82	0.01	-0.19	8.66	+1.62	123	14.50	+1.99	116
Cooke City	95	54	75	174	+132	0.09	-0.35	5.31	-3.45	61	11.20	-9.38	54
Gardiner	100	59	80	211	+72	0.00	-0.28	2.20	-2.45	47	6.02	-2.08	74
Hardin	103	63	85	246	+92	0.00	-0.15	8.47	+1.12	115	13.85	+1.00	108
Huntley	103	58	82	226	+86	0.02	-0.15	9.13	+2.15	131	13.92	+2.76	125
Hysham	99	66	82	228	+67	0.07	-0.20	8.81	+1.91	128	14.00	+3.46	133
Joliet	102	55	80	212	+72	0.35	+0.14	8.12	+0.17	102	13.99	+0.78	106
Livingston	102	53	78	200	+67	0.08	-0.20	7.71	-0.10	99	13.78	+1.54	113
Nye	101	52	78	197	+64	0.06	-0.22	8.18	+0.37	105	13.40	+1.16	109
Rapelje	100	61	81	219	+79	0.26	-0.02	10.96	+3.47	146	15.34	+2.99	124
SOUTHEAST													
Albion	104	53	79	202	+54	0.45	+0.13	9.09	+1.45	119	13.46	+2.58	124
Baker	104	60	80	213	+53	0.80	+0.45	10.86	+3.30	144	14.47	+3.41	131
Broadus	103	62	83	232	+78	0.06	-0.21	9.64	+2.36	132	13.99	+2.76	125
Ekalaka	99	63	80	209	+55	0.36	+0.07	11.34	+2.01	122	16.84	+3.49	126
Miles City	104	68	86	253	+75	0.00	-0.30	8.26	+0.67	109	11.06	-0.23	98
Plevna	103	59	80	211	+51	0.08	-0.27	9.14	+1.58	121	13.49	+2.43	122
Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1961-1990. GDD-Growing degree days													